# Object Oriented Programming Project Online Airline Reservation System



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## Introduction:

The Online Airline Reservation System is the application that handles the flight operations in airline reservation systems. In our project, we are trying to show you the basic functionalities of the airline reservation system. To develop the basic operations like flight reservation, handling ticket and passengers details through the system.

# **Objective:**

The objective of the project is to design a Online Airline Reservation System application which allows the users to book and search flights in the system. Our motivation for the project came from my enthusiasm and strong urge to learn JAVA and object-oriented programming concepts which is one of the fastest growing technologies in today's world. The Online Airline Reservation System project mainly consists of the users who provide information to book different flights by the system All the data needed for the application is stored in the sub classes. The report contains the details of all the tasks carried out during the entire software development life cycle of the Online Airline Reservation System Project. This document shows all the details of the project starting from the project design to testing and examining.

# **Project Overview:**

All the task covered in the system are as follows:

<<<<<<<<Menu>>>>>>>>

- Reserve Seat
- 2. My Tickets
- Flight Schedule
- 4. Passenger Details
- 5. Exit

#### 1. Reserve Seat

It shows the user all the flight list and asks him if he wants to reserve tickets for any flight. He needs to select the serial number of the flight for further processing. After that the program asks the user personal details and gives him the ticket number.

#### Output:

#### Part 1:

>>>>>>>>>>>>Welcome to Pakistan International Airline

1. Reserve Seats
2. My Tickets
3. Flight Schedule
4. Display Passengers

5. Exit

 Your choice: 1

 S.no
 Flight NO
 From Locationn
 TO
 Time
 Fare

 1
 PK 181
 Karachi
 Islamabad
 12:15
 250.0

 2
 PK 277
 Karachi
 Gujranwala
 13:30
 200.0

 3
 PK 233
 Karachi
 Lahore
 14:20
 280.0

 4
 EK 615
 Karachi
 Faisalabad
 15:45
 210.0

 5
 PA 210
 Karachi
 Rawalpindi
 17:20
 300.0

 6
 PK 289
 Karachi
 Sialkot
 19:30
 200.0

#### Part 2:

Select a flight to reserve your seat:5

How many seats do you want to reserve: 3

Pessenger 1 Details:

Enter your name: Sunbla Khan

Enter your passport no: 0983457345 Enter your contact no: 348469354

Enter your address: Gulshan

Hadeed

Your Ticket num is: 12301

Pessenger 2 Details:

Enter your name: Laiba Noor

Enter your passport no: 345645764 Enter your contact no: 456456745 Enter your address: Defence block-D

Your Ticket num is: 12302

Pessenger 3 Details:

Enter your name: Inayat Fatima Enter your passport no: 34456 Enter your contact no: 45754675 Enter your address: Malir town

Your Ticket num is: 12303

## 2. My Tickets

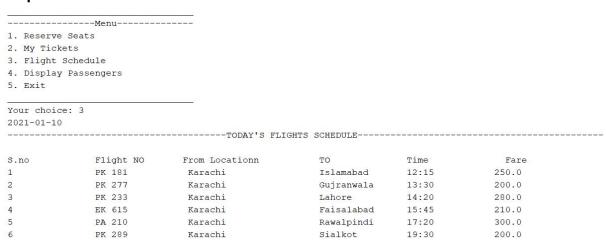
The program asks the user's ticket number and then show him all the details of the ticket including personal and flight details

#### **Output:**

Menu								
1. Reserve Seats								
2. My Tickets								
3. Flight Schedule								
4. Display Passengers								
5. Exit								
Your choice: 2	-							
	111111111111111111111111111111111111111	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	DETAILS \\\\\	11111111				
	Enter your ticket no: 12301							
	Flight ID	Ticket No	Passenger Name	Passport No	Contact	No Address		
	PA 210	12301	Sunbla	983457345		348469354	Gulshan	
Menu								
1. Reserve Seats								
2. My Tickets								
3. Flight Schedule								
4. Display Passengers								
5. Exit								
Your choice: 2								
	///////////////////////////////////////	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	DETAILS \\\\\	11111111				
	Enter your ti	cket no: 12302						
	Flight ID	Ticket No	Passenger Name	Passport No	Contact	No Address		
	PA 210	12302	Laiba	345645764		456456745	Defence	

## 3. Flight Schedule

The user can see the flight details here **Output**:



# 4. Passenger Details

The user can see the total tickets, total passengers personal details and flight details that he booked

#### **Output:**

#### 5. Exit

After the User Complete all tasks are correctly performed then the user closes the account.

#### **Output:**

```
1. Reserve Seats
2. My Tickets
3. Flight Schedule
4. Display Passengers
5. Exit

Your choice: 5
```

# **Project Classes**

- 1. onlineReservation
  - a. Greeting()

You decided to Exit ...

- b. Menu()
- c. Abstract book\_Tickets()
- d. Abstract find Ticket Detail()
- e. Abstract display\_Passenger()
- 2. reserveSeat
  - a. book\_Tickets()
  - b. find\_Tickets\_Details()
  - c. display\_Passenger()
- 3. Flight
  - a. flight\_List()

### Conclusion

This program is able to keep track of the basic operations performed in the Online Airline Reservation System. User can check the details, select his desired flight through serial number and book as many tickets he wants to book. He can check the tickets details later in the system and can also check the passenger details he added before.